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OFFICE OF PRESIDENT
MONTANA SCHOOL OF MINES

MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION

SAVINGS BLDG.
HELENA, MONTANA

VOL. IX., No. 5. THURBER'S HELENA MAY, 1961.

Production of crude oil and condensate from the oil and gas areas of Montana for the Month of May, 1961, averaged 83,757 barrels daily, an increase of 1,575 barrels from the average April production of 82,182.

The nine refineries in the State processed 58,766 barrels of crude oil daily for the month of May, 1961, a decrease of 6,510 barrels from the 65,276 barrels processed daily during the month of April, 1961.

During May, 26 wells were completed, 10 oil, 0 gas wells and 16 dry holes.

During May, the commission issued 42 permits to drill new wells, an increase of 19 from the 23 permits issued during April.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF MAY, 1961

IN STORAGE MAY 1st:	
By Producers	387,370
By Transporters	752,160
By Refiners	539,457
TOTAL STORAGE	1,678,987
Produced in Montana During Month	2,596,469
Imported During Month	1,102,201
TOTALS	5,377,657
DISPOSITION:	
Refined in Montana	1,821,755
Exported	1,662,973
Used for Fuel or Lost	5,534
TOTAL	3,490,262
IN STORAGE MAY 31st:	
By Producers	388,770
By Transporters	854,055
By Refiners	644,570
TOTAL STORAGE	1,887,395

NATURAL GAS WITHDRAWALS IN MONTANA

Month of May, 1961

Field	M Cu. Ft.
Bears Den	8,088
Big Coulee	50,670
Bowdoin	84,363
Bowes	108,272
Box Elder	0
Cabin Creek	90,399
Cedar Creek	305,400
Clarks Fork	0
Cut Bank (including Reagan)	614,457
Devon	6,356
Dry Creek	120,271
Elk Basin	16,096
Flat Coulee	8,038
Golden Dome	0
Grandview	23,631
Hardin	4,141
Havre	1,541
Keith Block	118,607
Kevin Sunburst	81,701
Pine	69,805
Plevna	15,944
Utopia	14,461
Whitlash	99,374
Miscellaneous	54,158
TOTAL	1,895,773

Total Withdrawals for May, 1960 were 2,066,962 M Cu. Ft.

PRODUCER'S REPORT
MONTH OF MAY, 1961

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
4	Ash Creek	4	389	2,452		1,790		1,051
5	Bannatyne	13	1,308	1,599		1,102	106	1,699
1	Belfry	1	369	1,708		1,709		368
7	Big Wall	25	3,054	20,306	17,013	2,119	40	4,188
9	Blackfoot	13	4,595	7,172		8,608	19	3,140
1	Bowes	73	4,846	20,188	19,102		(91)	6,023
	Bredette		805				805	
2	Bredette, North	2	1,800	1,029	1,552			1,277
2	Brorson	2	3,254	2,201	2,684			2,771
2	Cabin Creek	104	13,160	383,746	388,194			8,712
24	Cat Creek	95	6,215	23,958	18,826	6,359		4,988
	Clark's Fork		183					183
1	Clark's Fork, North	2	2,197	1,500		1,500		2,197
1	Cupton	2	2,242	1,247	3,121			368
378	Cut Bank	1,129	127,826	181,885	173,488		654	135,569
3	Deer Creek	6	2,556	14,619	15,510			1,665
2	Delphia	2	1,039	1,200	1,200			1,039
	Devil's Basin		889					889
4	Dry Creek	4	1,540	2,192	2,398			1,334
7	Dwyer	7	3,009	26,755		24,129		5,635
7	Elk Basin	55	2,597	195,935	195,111			3,421
	Fertile Prairie		517					517
2	Frannie	2	371	1,629	1,673			327
2	Gage	2	749	747	530	328	(18)	656
4	Gas City	10	5,823	29,177	28,784			6,216
6	Glendive	11	7,721	39,446	43,193			3,974
4	Gypsy Basin	4	1,685	1,012	1,115			1,582
2	Hibbard	2	614	2,874		2,635		853
10	Ivanhoe	18	7,038	42,511	41,315			8,234
4	Keg Coulee	8	2,820	56,290	53,736	2,324		3,050
196	Kevin-Sunburst	1,086	18,508	69,164	69,728			17,944
1	Little Beaver	15	3,284	38,330	38,236			3,378
4	Little Beaver, East	11	3,164	26,391	26,545			3,010
	Mackay Dome		770					770
3	Melstone	8	1,842	3,692	3,912			1,622
5	Monarch	13	5,449	40,016	41,099			4,366
3	Mosser	5	334	400		400		334
7	Outlook	11	9,483	47,765	48,828			8,420
3	Outlook, South	3	2,608	3,968	4,182			2,394
13	Pennel	24	8,647	66,594	66,547			8,694
5	Pine	144	12,969	441,227	441,051			13,145
80	Pondera	301	9,064	43,647	43,311		14	9,386
8	Poplar, East	92	19,990	206,614	206,494		16	20,094
3	Poplar, Northwest	4	1,424	1,890	2,001			1,313
4	Ragged Point	9	3,819	9,721	10,959			2,581
4	Reagan	50	2,869	11,844	12,287			2,426
9	Red Creek	18	4,000	29,569	4,318	25,613		3,638
1	Redstone	1	838	1,074	1,362			550
1	Repeat	1	201	2,009	1,940			270
8	Richey	12	4,802	11,548	11,108			5,242
2	Richey, Southwest	2	1,973	5,402	4,964			2,411
4	Sand Creek	5	7,825	17,127	21,071			3,881
2	Sidney	2	1,062	1,638	1,035			1,665
2	Snyder	4	441	1,674		1,080		1,035
4	Soap Creek	8	1,865	5,562		4,659		2,768
10	Stensvad	26	12,294	110,952	114,039			9,207
27	Sumatra	87	16,260	211,129	192,263	15,166	133	19,827
7	Sweetgrass Hills	7	1,859	4,009		4,096		1,772
5	Tule Creek	6	3,163	44,651	43,672			4,142
11	Whitlash	30	5,573	15,278	10,027			10,824
9	Wills Creek	15	3,291	32,217	31,593			3,915
10	Wolf Springs	19	5,556	26,315	26,850			5,021
2	Woodrow	2	932	1,674	1,807			799
947		3,617	387,370	2,596,469	2,489,774	103,617	1,678	388,770

Total Oil Produced and Shipped from Lease	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1960	30,239,915	82,849	30,213,359	82,776
First Quarter, 1961	7,439,465	82,660	7,441,654	82,685
April, 1961	2,465,480	82,182	2,424,670	80,822
May, 1961	2,596,469	83,757	2,593,391	83,657

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1960	359,360	669,036	652,546	1,680,942
March, 1961	348,087	721,005	636,988	1,706,080
April, 1961	387,370	752,160	539,457	1,678,987
May, 1961	388,770	854,055	644,570	1,887,395

*Includes Wyoming Oil

TRANSPORTERS REPORT
MONTH OF MAY, 1961

	Storage First of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			1,790				1,790		
BANNATYNE—Truck			1,102			1,102			
BELFRY—Truck			1,709				1,709		
BIG WALL—Glacier Pipe Line Co.		17,013					17,013		
Truck			2,119			2,119			
		17,013	2,119			2,119	17,013		
BLACKFOOT—Union Oil Co.			8,608			8,608			
BOWES—									
Trigood Oil Co.	2,332	2,882			191	1,936			3,087
Texaco, Inc.		16,220				16,220			
	2,332	19,102			191	18,156			3,087
BRORSON—Sun Oil Co.		2,684					2,684		
CABIN CREEK & OTHERS*—									
Butte Pipe Line Co.	327,145	991,925		523,955			1,516,465		326,560
Shell Pipe Line Corp.	1,824	175,398			229			171,346	5,647
	328,969	1,167,323		523,955	229		1,516,465	171,346	332,207
CAT CREEK—									
Glacier Pipe Line Co.		18,826					18,826		
Truck			6,359			6,359			
		18,826	6,359			6,359	18,826		
CLARK'S FORK—Truck			1,500				1,500		
CUT BANK—									
Big West Oil Co.				23,180		23,180			
Darling Gathering System, Inc.	10,620	5,513			(1)			9,182	6,952
Phillips Petroleum Co.	105,678	60,563		23,102	1,307	70,429		13,185	104,422
Texas Pipe Line Co.	44,457	23,938			680			22,157	45,558
Toronto Pipe Line Co.	47,101	40,930			28			30,876	57,127
Union Oil Co.	91,143	53,755		27,185	(142)	88,082			84,143
	298,999	184,699		73,467	1,872	181,691		75,400	298,202
DELPHIA—Glacier Pipe Line Co.		1,586					1,586		
DRY CREEK—									
Marathon Pipe Line Co.	5,860	2,398			24	2,414			5,820
DWYER—Truck			24,129				24,129		
ELK BASIN—Ohio Oil Co.		195,111					195,111		
FRANNIE—Ohio Oil Co.		1,673					1,673		
GAGE—Glacier Pipe Line Co.		530					530		
Truck			328				328		
		530	328				858		
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
The Texas Pipe Line	6,880	80,876			(1,061)	6,323	34,785	32,117	15,592
HIBBARD—Truck			2,635				2,635		
IVANHOE—Glacier Pipe Line Co.		36,602					36,602		
KEG COULEE—Glacier Pipe Line Co.		53,736					53,736		
Truck			2,324				2,324		
		53,736	2,324				56,060		
KEVIN-SUNBURST—									
Big West Oil & Gas Co.	2,097	54,053				53,286			2,864
Homestake Oil & Gas Co.	1,500	3,495		9,182		9,839			4,338
The Texas Pipe Line Co.	5,696	32,591			428	24,913		7,250	5,696
	9,293	90,139		9,182	428	88,038		7,250	12,898
MELSTONE—Glacier Pipe Line Co.		6,256					6,256		
MOSSER—Truck			400				400		
PONDERA—Phillips Petr. Co.	60,106	45,682			(217)	44,003			62,002
POPLAR, BREDETTE, OUTLOOK, SOUTH OUTLOOK, REDSTONE, RICHEY & TULE CREEK									
East Poplar Gathering System	8,367	324,058			302			320,491†	11,632
RAGGED POINT—Truck		10,950					10,950		
REAGAN—Union Oil Co.		12,287				12,287			
RED CREEK—									
Union Oil Co.		4,318				4,318			
Truck			25,613				25,613		
		4,318	25,613			4,318	25,613		
SIDNEY—Sun Oil Co.		1,035					1,035		
SNYDER—Truck			1,080				1,080		
SOAP CREEK—Truck			4,659				4,659		
SUMATRA AND STENSVAD—									
Crude Oil Pipe Line Co.	19,003	15,759			(142)	14,242			20,662
Glacier Pipe Line Co.		392,468			724	292,060	19,763		79,921
Truck			15,166				15,166		
	19,003	408,227	15,166		582	306,302	34,929		100,583
SWEETGRASS HILLS—Truck			4,096			4,096			
WHITLASH—									
Western Natural Gas Co.	188								188
Truck			10,027			10,027			
	188		10,027			10,027			188
WOLF SPRINGS—									
Crude Oil Pipeline, Inc.	12,163	26,444			200	26,563			11,844
TOTALS	752,160	2,711,555	113,644	606,604	2,550	722,406	1,998,348	606,604	854,055

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Monarch, Pennel, Pine, Repeat, Richey, Southwest Richey and Wills Creek Fields. †Transferred to Butte Pipe Line Co.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF MAY, 1961

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Texaco Inc.	Union Oil Co.	Total
Big Wall						5,163				5,163
Blackfoot									9,735	9,735
Bowes			23,998							23,998
Cat Creek		21,141				3,243				24,384
Cut Bank	15,928						71,396		84,376	171,700
Dry Creek				2,057						2,057
Elk Basin					96,587					96,587
Gage				319						319
Kevin-Sunburst	63,998									63,998
Pondera							43,483			43,483
Reagan									214	214
Red Creek									4,318	4,318
Sumatra		597		140,032	109,681	5,003				255,313
Whitlash									682	682
Wolf Springs					17,603					17,603
Total Montana Oil	79,926	21,738	23,998	142,408	223,871	13,409	114,879		99,352	719,554
Canadian Oil Imported									3,220	3,220
Wyoming Oil Imported		227,989		310,750	560,242					1,098,981
TOTAL Mont., Canadian & Wyoming Oil	79,926	249,727	23,998	453,158	784,113	13,409	114,879		102,545	1,821,755

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	TOTAL
Year, 1960	28,852	56	39,406	68,314
May, 1960	19,024	71	25,768	44,863
May, 1961	23,211	104	35,451	58,766

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
42.23%	.09%	57.68%
42,40%	.17%	57.43%
39.49%	.19%	60.32%